

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/EP2004/004463

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 B23K26/067

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 B23K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 857 536 A (HONDA MOTOR CO LTD) 12 August 1998 (1998-08-12)	1,2,4,6, 9,10
Y	the whole document	3,11
X	JOHN MACKEN: "Remote Laser Welding" IBEC'96 ADVANCED TECHNOLOGIES AND TECHNOLOGIES, 1996, pages 11-15, XP002293450	1,4,6, 8-10
Y	the whole document	-----
Y	US 6 204 469 B1 (FOLEY JAMES ET AL) 20 March 2001 (2001-03-20)	3,11
Y	the whole document	-----
X	EP 1 228 833 A (UNOVA IP CORP.) 7 August 2002 (2002-08-07)	1,10
	the whole document	-----
		-/-

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

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Date of the actual completion of the international search

27 August 2004

Date of mailing of the international search report

29/09/2004

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4 654 505 A (CAZES ROLAND ET AL) 31 March 1987 (1987-03-31) the whole document	1,10

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## INTERNATIONAL SEARCH REPORT

International Application No  
PCT/EP2004/004463

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
EP 0857536	A	12-08-1998	JP	3380416 B2	24-02-2003
			JP	10216980 A	18-08-1998
			CA	2228837 A1	05-08-1998
			DE	69805221 D1	13-06-2002
			DE	69805221 T2	24-10-2002
			EP	0857536 A1	12-08-1998
			US	6072149 A	06-06-2000
US 6204469	B1	20-03-2001	AU	5241000 A	21-09-2000
			CA	2364086 A1	08-09-2000
			GB	2363352 A ,B	19-12-2001
			WO	0051775 A2	08-09-2000
			JP	2003528728 T	30-09-2003
			US	6455803 B1	24-09-2002
			US	6403918 B1	11-06-2002
			US	6476344 B1	05-11-2002
			US	6479786 B1	12-11-2002
			US	6261701 B1	17-07-2001
EP 1228833	A	07-08-2002	US	2002170889 A1	21-11-2002
			CA	2366905 A1	31-07-2002
			EP	1228833 A2	07-08-2002
			US	2003136767 A1	24-07-2003
US 4654505	A	31-03-1987	FR	2549759 A1	01-02-1985
			DE	3462755 D1	30-04-1987
			EP	0136190 A1	03-04-1985
			ES	8503995 A1	01-07-1985
			JP	4036792 B	17-06-1992
			JP	60152387 A	10-08-1985

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